

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

### Listing of Claims:

1. (Currently presented) A method for assessing a human subject for predisposition to a mental disorder phenotype selected from the group consisting of a conduct disorder, violent behavior and antisocial behavior in a human subject who has experienced childhood maltreatment, the method comprising the steps of:

determining whether the subject carries a two- or three-repeat allele of a variable number tandem repeat polymorphism within a gene encoding human monoamine oxidase A enzyme, wherein a locus of the gene is amplified by SEQ ID NO:1 and SEQ ID NO:2;

~~determining whether the subject has experienced, or is at risk of experiencing, childhood maltreatment; and~~

concluding that the subject is predisposed to the phenotype if the subject carries the two- or three-repeat allele ~~and has experienced, or is at risk of experiencing, childhood maltreatment~~.

2. (Previously presented) The method of Claim 1 wherein the subject carries the two or three repeat allele.

3.- 8. (Canceled)

9. (Original) The method of Claim 1 further comprising the step of counseling the subject to pursue or avoid a particular type of employment.

10. (Previously presented) The method of Claim 1 further comprising the step of counseling the subject to avoid the childhood maltreatment.

11. (Original) The method of Claim 1 further comprising the step of prescribing a therapy selected from the group consisting of psychological therapy and pharmaceutical therapy.

12.-26. (Canceled)